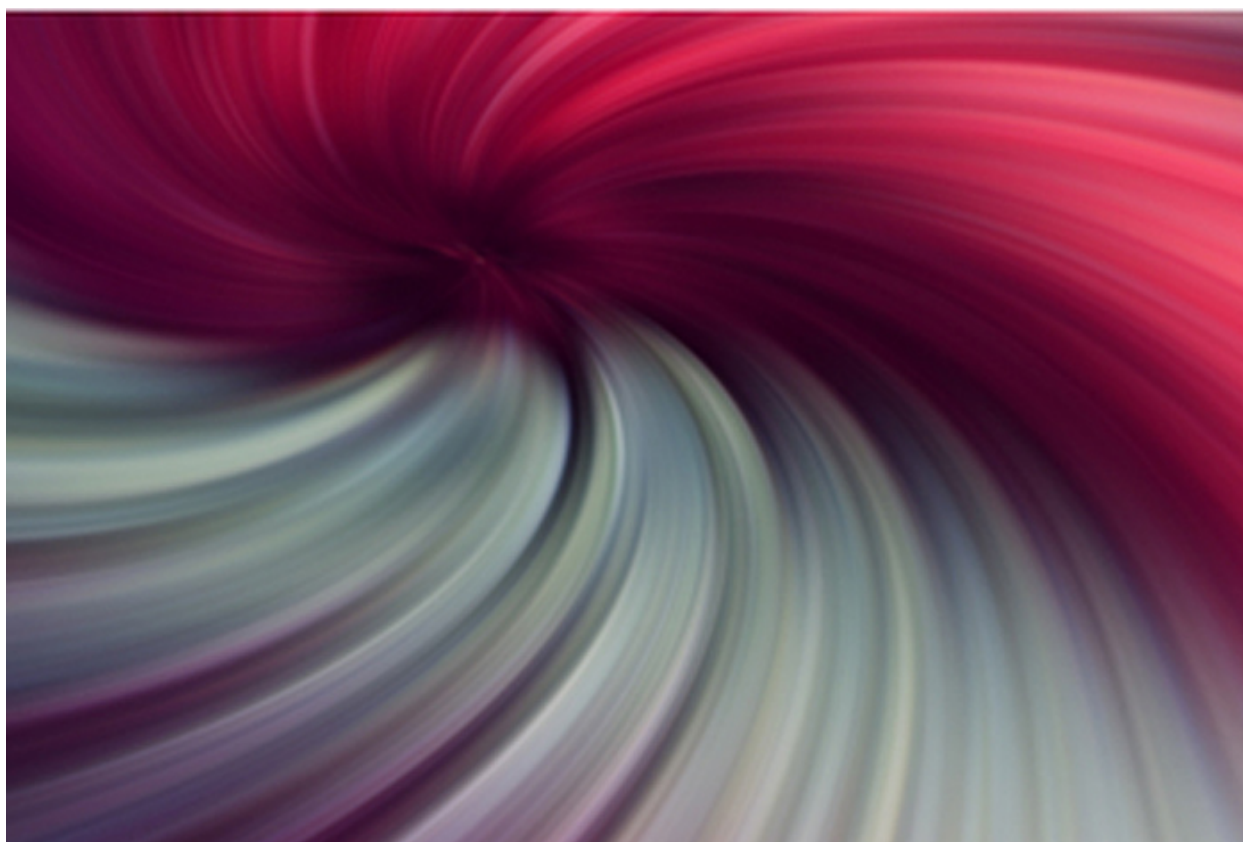




# **Underground radio technology saves miners and emergency response personnel**

April 3, 2012



## **Underground explosions to be made safe using technology that saves miners lives**

Vital Alert Technologies, Inc. (Vital Alert), was founded on the vision of commercializing Los Alamos National Laboratory's (LANL's) very-low-frequency, underground radio technology (VLF UGR) to provide products that significantly improve the safety of miners and emergency response personnel.

Using venture capital and angel funding, Vital Alert exclusively licensed VLF UGR and began an aggressive product development campaign. In 2010, the company launched the Vital Alert C1000, a reliable wireless, light-weight, two-way real-time voice

communication system that is effective through more than 1,000 feet of solid rock. The system is also being configured for emergency subway communication.

Vital Alert recently signed a reseller's agreement with U.S.-based Raytheon JPS Communications and several smaller U.S. partners and is beginning the formal U.S. Mine Safety and Health Administration (MSHA) certification process, which will allow the company to sell the Vital Alert C1000 into the market using a well-developed distribution chain. The company expects to sell \$1.3M of product in 2012.

The company is currently exploring additional market applications for VLF UGR technology such as safe and reliable remote underground explosive detonation.

Vital Alert is a privately-held small company based in Toronto, Canada.

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